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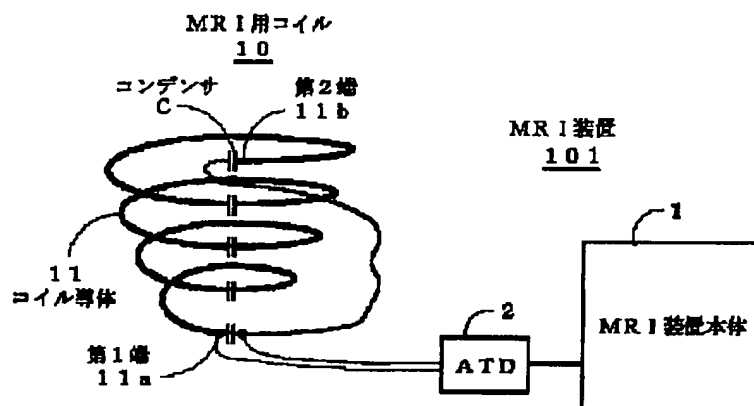
(74) Representative:

**(54) COIL FOR MRI AND  
MRI**

(57) Abstract:

**PROBLEM TO BE SOLVED:** To provide a coil for MRI to be changed in size thereof for fitness even if size of a breast of a body to be examined is different.

**SOLUTION:** This coil for MRI is provided with a coil conductor 11 formed into an enlarged diameter helical shape, of which diameter is enlarged from a first end 11a to a second end 11b of a space spiral shape and in which a distance between the first end 11a and the second end 11b can be freely extended or shrunk, and a capacitor C interposed in the coil conductor 11. The coil conductor 11 is made of a material having elasticity, and it is stretched in the condition that the external force is not applied, and it is shrunk by applying the external force. A necessity of providing plural kinds of coils for MRI having a different size is thereby eliminated, and the control is facilitated. Since the projection can be always performed in a size corresponding to the size of a breast, excellent SNR is obtained.



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